

AMENDMENT TO THE SPECIFICATION:

Please substitute the annexed Pages 1-12 to account for a replacement of the original Paragraph 0005 with the amended paragraph as set forth.

AMENDMENTS TO THE SPECIFICATION

A FOLDABLE TENT HAVING EAVES

FIELD OF THE INVENTION

[0001] The present invention relates to a tent for travelling or
5 camping activities, and more particularly to a foldable tent
having eaves.

BACKGROUND OF THE INVENTION

[0002] People often need to carry a canopy with them to shelter
from strong sunlight, rain and wind when they go out on tours
10 for pleasure. I have applied for Chinese patents App. No.
01215188.2 and App. No. 01215189.0. These two inventions disclosed
a foldable tent without eaves and the tent covering only covers
the area enclosed by the supporting members of the tent, providing
a relatively small usable floor space.

15 [0003] It is obvious that said existing canopies have drawbacks
that leave room for improvement.

BRIEF SUMMARY OF THE INVENTION

[0004] It is an object of this invention to overcome drawbacks of
existing canopies and provide a foldable tent having eaves, which
20 can provide a larger sheltering space by putting on a larger
covering on the framework because of the eaves. The tent can be
stricken simply by removing the covering and folding the framework,
which is convenient to carry, transport and store.

[0005] The object of the present invention can be achieved by the
25 following technical solutions. The present invention provides
a foldable tent having eaves, which includes a covering and a
foldable framework. A foldable eave frame 3 extending outwardly
is provided at the top of the side of the foldable frame. The

foldable eave frame can be folded together with the frame. The covering is put on the frame. The eave frame is an n-shaped frame composed of a front side and two lateral sides. The front side is composed of foldable scissors frames and the number of which is same to that of the cross beam of the corresponding side of the frame between two poles. Each of the lateral side is composed of scissors frames, which are composed of two cross pieces pivotally connected to each other in the midway. The scissors frames forming the front side of the n-shaped eave frame are pivotally connected to each other at the two ends of each scissors frames. The two opposite ends of each scissors frame are pivotally connected to the two corresponding outer ends of the scissors frame on the lateral sides to form flexion points. The inner ends of the scissors frames of the lateral sides are respectively connected to the upper pivot and lower pivot on pole.

[0006] The object of the present invention can be further achieved by the following technical solutions.

[0007] Said foldable tent having eaves wherein the eave frame is an n-shaped frame composed of a front side and two lateral sides. The front side is composed of foldable scissors frames and the number of which is same to that of the cross beam of the corresponding side of the frame between two poles. Each of the lateral side is composed of a scissors frame composed of two cross pieces pivotally connected to each other in the midway. The scissors frames forming the front side of the n-shaped eave frame are pivotally connected to each other at the two ends of each scissors frames. The two opposite ends of each scissors frame are pivotally connected to the two corresponding outer ends of

the scissors frame on the lateral sides to form flexion points. The inner ends of the scissors frames of the lateral sides are respectively connected to the upper pivot and lower pivot on a pole.

5 [0008] Said foldable tent having eaves wherein the eave frame is an n-shaped frame composed of a front side and two lateral sides. The front side is composed of foldable scissors frames and the number of which is same to that of the cross beam of the corresponding side of the frame between two poles. The two lateral
10 sides of the eave frame are composed of two vertically arranged scissors frames. Each of the scissors frames is composed of two cross pieces pivotally connected to each other in the midway. The scissors frames forming the front side of the n-shaped eave frame are pivotally connected to each other at the two ends of
15 each scissors frames. Two ends of the upper scissors frame forming the lateral side are pivotally connected to the two corresponding ends of the lower scissors frame on the same side. The outer ends of the upper scissors frame and the lower scissors frame of the lateral sides are pivotally connected to the two corresponding
20 ends of the scissors frame on the front side to form flexion points. The inner ends of the scissors frame of the lateral sides are pivotally connected to the upper pivot and lower pivot on pole respectively.

[0009] Said collapsible canopy, wherein each of the four right
25 angled branches of said cross hinge is provided with a hinge hole.

[0010] Said collapsible canopy, wherein said support members are made of hollow tubes, and when the framework is extended, the protruding end of a spring provided in the hollow support member

where a hinge is provided passes through the wall of the hollow support member and is received by the hole on the downside hinge.

[0011] Said collapsible canopy, wherein the lower end of each support member is provided with a telescopic tube to raise the
5 height of the canopy.

[0012] Said collapsible canopy, wherein cantilever support can be of various sizes according to different shapes of the roof structure of the collapsible canopy.

[0013] Detailed description of present invention with reference
10 to exemplary embodiments and drawings is given hereunder.

BRIEF DESCRIPTION OF THE DRAWINGS

[0014] FIG. 1 illustrates a foldable tent having eave structure in a pitched configuration according to the first embodiment of the present invention.

15 [0015] FIG. 2 illustrates a perspective view of a tent framework structure in a pitched configuration according to the first embodiment of the present invention.

[0016] FIG. 3 illustrates a tent framework in a folded configuration according to the first embodiment the present invention.

20 [0017] FIG. 4 illustrates a tent framework structure configuration according to the first embodiment of the present invention.

[0018] FIG. 5 illustrates a foldable tent having eave structure in a pitched configuration according to the second embodiment of the present invention.

25 [0019] FIG. 6 illustrates a perspective view of a tent framework structure in a pitched configuration according to the second embodiment of the present invention.

[0020] FIG. 7 illustrates a tent framework in a folded configuration

according to the second embodiment the present invention.

[0021] FIG. 8 illustrates a tent framework structure according to the second embodiment of the present invention.

[0022] FIG. 9 illustrates a T-shaped hinge according to the second
5 embodiment of the present invention.

[0023] FIG. 10 illustrates a perspective view of a tent framework structure according to the third embodiment of the present invention.

[0024] FIG. 11 illustrates a perspective view of a joint of the
10 tent framework structure according to the third embodiment of the present invention.

[0025] FIG. 12 illustrates a partially enlarged framework of FIG.
10.

[0026] FIG. 13 illustrates a perspective view of a tent framework
15 structure in folding process according to the third embodiment of the present invention.

[0027] Diagram remarks

20 1-Covering
2-Frame
3-Eave frame
4-Scissors frame
5-T-shaped pivot
6-Upper pivot
7-Lower pivot
25 8-Cross beam
9-Tie rod
10-Pole
41-Joint

DETAILED DESCRIPTION OF THE INVENTION

30 [0028] Please refer to FIG. 1, FIG. 2, FIG. 3 and FIG. 4, which illustrate the first embodiment of the present invention. The foldable tent having eaves comprises a covering 1 and a foldable

frame 2. A foldable eave frame 3 extending outwardly is provided at the top of the side of the foldable frame 2. The foldable eave frame 3 can be folded together with the frame 2. The covering 1 is put on the frame 2.

5 [0029] Please refer to FIG. 2, the eave frame 3 is an n-shaped frames composed of a front side and two lateral sides. The front side is composed of foldable scissors frames 4 and the number of which is same to that of the cross beam 8 of the corresponding side of the frame 2 between two poles. Each of the lateral side is
10 composed of a scissors frames 4 which is composed of two cross pieces pivotally connected to each other in the midway. The scissors frames 4 forming the front side of the n-shaped eave frame 3 are pivotally connected to each other at the two ends of each scissors frames 4. The two opposite ends of each scissors
15 frame 4 are pivotally connected to the two corresponding outer ends of the scissors frame 4 on the lateral sides to form flexion points. The inner ends of the scissors frames 4 of the lateral sides are respectively connected to the upper pivot 6 and lower pivot 7 on pole 10.

20 [0030] Please refer to FIG. 3, when not in use, the foldable tent having eaves of the present invention can be stricken by removing the covering 1 and folding the frame 2 and eave frames 3.

[0031] Please refer to FIG. 5, FIG. 6, FIG. 7, FIG. 8, and FIG. 9, which illustrate the second embodiment of the present invention.
25 The eave frame 3 is an n-shaped frames composed of a front side and two lateral sides. The front side is composed of foldable scissors frames 4 and the number of which is same to that of the cross beam 8 of the corresponding side of the frame 2 between

two poles. The two lateral sides of the eave frame 3 are composed of two vertically arranged scissors frames 4. Each of the scissors frames 4 is composed of two cross pieces pivotally connected to each other in the midway. The scissors frames 4 forming the front side of the n-shaped eave frame 3 are pivotally connected to each other at the two ends of each scissors frames 4. Two ends of the upper scissors frame 4 forming the lateral side are pivotally connected to the two corresponding ends of the lower scissors frame on the same side. The outer ends of the upper scissors frame and the lower scissors frame of the lateral sides are pivotally connected to the two corresponding ends of the scissors frame 4 on the front side to form flexion points. The inner ends of the scissors frame 4 of the lateral sides are pivotally connected to the upper pivot 6 and lower pivot 7 on pole 10 respectively. The construction of other parts of this embodiment of the tent structure is same to that of the first embodiment of the present invention.

[0032] Please refer to FIG. 4, the first embodiment of the present invention can also include a T-shaped pivot 5 provided at the upper connection point of the scissors frames 4 of the front side to connect a tie rod 9. The other end of the tie rod 9 is pivotally connected to the another T-shaped pivot 5 provided at the lower connection point of the scissors frames 4 at the corresponding side of the framework between two poles. The construction of other parts of this embodiment of the tent structure is same to that of the first or second embodiment of the present invention.

[0033] Please refer to FIG. 10, FIG. 11, and FIG. 12, which illustrate the third embodiment of the present invention. The scissors frames

4 are connected through joint 41 so as to avoid overlapping of the two ends of scissors frames 4 to reduce the occupying volume when they are folded. The construction of the joint 41 is illustrated in FIG. 11. Both ends of the joint 41 have clefts
5 which are not on the same plane. When the framework 2 is folded, as illustrated in FIG. 13, the two ends of the scissors frames 4 form a V-shaped structure without overlapping each other. The construction of other parts of this embodiment of the tent structure is same to that of the first or second embodiment of
10 the present invention.

[0034] In the first, the second and the third embodiment of the present invention, the eave frames 3 can choose to be provided either at all sides, or at two opposite, or only at one side of the framework with a covering 1 that matches the framework
15 2 having eaves put on framework 2.

[0035] Please refer to FIG. 7, the foldable tent having eaves can be stricken simply by removing the covering 1 and folding the framework 2 when the tent is not in use.

[0036] It is obvious that the present invention has advantages over
20 the prior art. From the technical method described above one can know that a foldable tent having eaves includes eave frames extending out and a matching covering. All the connections between the foldable frames and members are of sliding type or pivot type so that it can be pitched simply by unfold the frame work and
25 put on a covering or stricken simply by removing the covering and folding the framework, making it easy to carry with and transport. The present invention can extend the area for shielding from strong sunlight or rains.

[0037] Accordingly, the above described are only the preferred embodiments of the present invention which does not in any way limit the present invention. It should be appreciated that any modifications or changes may be made according to the preferred
5 embodiments of the present invention without departing from the scope of technical solutions described herein.